BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

KODIGEHALLI SUB DIVISION

WARD 7: BYATARAYANAPURA

Name of work:- Improvements to drains of Kuvempu layout main road to Elumandamma temple road in ward No.07, Byatarayanapura.

P-CODE:- P2415

Estimate Cost:- 49.50 lakhs

Name of Work:-Improvements to drains of Kuvempu layout main road to Elumandamma temple road in ward No.07, Byatarayanapura.
Estimated Cost:- 49.50 Lakhs

S.N	DESCRIPTION OF WORK	Unit	N	L	B	D	QTY	RATE	AMOUNT
1	2	3	4	5	6	7	8	9	10
1	Removing and refixing stone slabs of drains and pointing in CM (1:3).(Pg No.25, I.No.5.33)								
	Basic Rate:	Sqm	**76.00**						
	Area Weightage @ 6%		4.56						
	Total		**80.56**						
	BS Slab cover- in front of								
	Road opp to super market to elumandamma temple road (circle)		2	325.00		0.90	585.00		
							585.00		
						Consider 35% missing slabs	**204.75**		
							380.25	80.56	30633.00
2	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.141.Item No.19.1)								
	Basic Rate:	cum	**82.00**						
	Area Weightage @ 6%		4.92						
	Total		**86.92**						
	RCC Drain								
	Desilting of drains		2.00	325.00	0.90	0.90	526.50		
	Road opp to super market to elumandamma temple road (circle)		2	340.00	0.90	0.90	550.80		
						TOTAL	**1077.30**	86.92	93639.00
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . **(Pg.No.12, It.4.3)**								
	Basic Rate:	cum	4867.00						
	Area Weightage @ 6%		292.02						
	Total		5159.02						

	Road opp to super market to elumandamma temple road (circle)-**RCC DRAIN-BOTTOM**		2.00	340.00	0.90	0.15	91.80		
	For Ramps(Excluding Shoulder drain openings)		2.00	320.00	0.30	0.15	28.80		
						TOTAL	**120.60**	5159.02	622178.00
4	KSRB 4.2.2: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts butresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications. Seocifications No. KBS 4.1,4.6 (Page NO. 13, Item NO. 4.11)								
	Basic Rate:	cum	6011.00						
	Area Weightage @ 6%		360.66						
	Total		6371.66						
	RCC DRAIN- Bottom								
			2.00	340.00	0.90	0.15	91.80		
	RCC DRAIN- Side Wall								
		2x2	4.00	340.00	0.15	0.60	122.40		
							214.20	6371.66	1364810.00
5	Providing **TMT Steel Reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(Page No.17, Item No.17)								
	Basic Rate:	Tonne	60607.00						
	Area Weightage @ 6%		3636.42						
	Total		64243.42						
	Reinforcement for side wall of the drain						214.20		
			At 55 Kg % per cum				**11.78**	64243.42	756852.00
6	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / **rectangular sla**bs **/side walls** polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.(Page No.16, Item NO.4.32)								
	Basic Rate:	Sqm	366.00						

	Area Weightage @ 6%		21.96						
	Total		387.96						
	RCC DRAIN SIDE WALL	2X4	8	340.00		0.60	1632.00		
							1632.00	387.96	633151.00
7	KSRB4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.69 cum and fine aggragtes @ 0.459cum, machine mixed concrete laid in layers not eceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complate as per specifications. (Page No. 12. Item No. 4.6)								
	Basic Rate:	cum	5441.00						
	Area Weightage @ 6%		326.46						
	Total		5767.46						
	For Ramps		2	340.00	0.30	0.10	20.40		
							20.40	5767.46	117657.00
8	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. Pg No.25. Item No.5.31.2(10cmc thick)								
	Basic Rate:	cum	779.00						
	Area Weightage @ 6%		46.74						
	Total		825.74						
			Missing Qty				204.75		
							204.75	825.74	169071.00
9	KSRB-5-8.1: Providing one line dressing to granite stone/slabs as per specifications., Pg No.5.17								
	Basic Rate:	cum	545.00						
	Area Weightage @ 6%		32.70						
	Total		577.70						
			1	340		0.90	306.00		
							306.00	577.70	176777.00
10	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications (Data								
	DETA RATE	**Sqm**	1836						
	Covering Slab								
	From Kuvempu Layout 1st cross to jain heritage school road		1	170	0.90		153.00		
			1	52	0.90		46.80		
							199.80	2100.00	419580.00
11	Providing and fixing MS Grating 260x260 mm(Page No.VIII, Sl No.237, code No.0771)								
	Basic Rate:	Sqm	89.00						

	Area Weightage @ 6%		5.34						
	Total		94.34						
	For shoulder drains		45.0				**45.00**		
							45.00	94.34	4246.00
12	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1)								
	Basic Rate	cum	**68.00**				1077.30	106.00	114194.00
	Rs. 2.50 Tonne Km.								
	Average Weight of earth 1.28 Tonne/Km.								
	For 10 Km								
	Rs.2.50X1.28TonneX10Km		**32.00**						
	Total		**100.00**						
	Add Area Weightage6%		**6.00**						
			106.00						
13						**Sub Total**			4502788.00
14				**Add 10% KRIDL charges**					450278.80
15				**Add 1% labour cess charges**					45027.88
16				**Miscelleneous charges**					1905.32
17						**Total**			5000000.00

1)This is certified that the work spot comes under BBMP limits only.

2) The work spot is inspected by me

3) The items Provided in the Estimate are quite Essential

4)The rates are as per CSR of 2016-17 year of PWD Bangalore Circle.

Corrected to 49.50 Lakh Rs as per Job Code

Asst.Engineer
Ward no.7

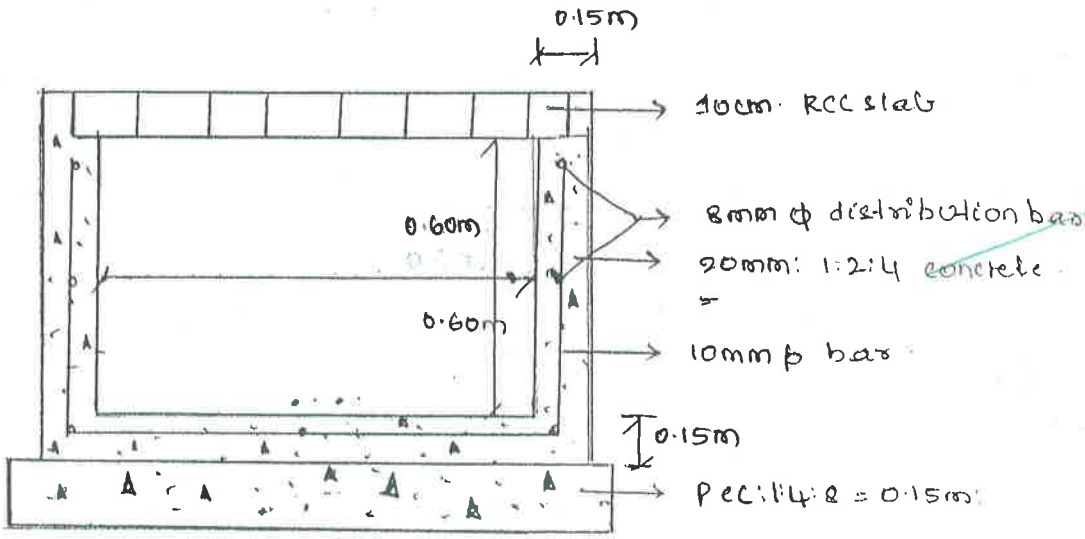
Asst.Exe.Engineer
Kodigehalli Sub-division
B.B.M.P.

Executive Engineer
Byatrayanapura Division
B.B.M.P.

ADMINISTRATIVE APPROVAL
Accorded For Rs... Fifty lakhs only
Head of A/c..... P 2415
Div. Ref. No... 138/17-18 ..... Date 22/12/17
AE 22/12
EE(BTP) 22/12

Technical Sanction
Accorded For 49.50.00 lakh Rs
Head of A/C..... P 2415
CER NO : 519 Dt... 12/01/18
SE (YNK)

Name of work:- Improvements to drains of Kurempu layout main road to Hunumandamma temple road in ward no. 07 byatarayanapura.



CROSS-SECTION

N.D
AE(W)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Google Improvements to drains of Kuvempu layout main road to Elumandamma temple road in ward No.07, Byatarayanapura